

PATENT ABSTRACTS OF JAPAN

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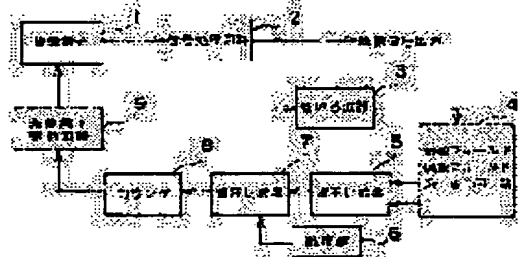
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(54) TELEVISION CAMERA

(57)Abstract:

PURPOSE: To suppress a flicker phenomenon by controlling the electric charge storage time of an image pickup element by the comparison result of error voltage and a prescribed limit value to automatically minimize the level difference every field.

CONSTITUTION: The difference voltage of the average value between fields is generated by separating a video signal average value signal into an odd-numbered field and an even-numbered field by an odd-numbered field and even-numbered separation circuit 4 and by comparing them in a voltage comparator 5. This difference voltage is comparing with the preliminarily set limit value in a limit value setting circuit 6 in a voltage comparator 7, and when the difference voltage is larger, the count of a counter 8 is expedited. An image pickup element drive circuit 9 perform a drive which makes the whole of one field a storage period at the initial time of an operation. When the level difference between fields occurs and a flicker phenomenon generates by the output of the video signal at this time, the count of the counter 8 is started, the period when an electric charge discharging pulse from the image pickup element drive circuit 9 is generated is gradually widened, and the storage time of an image pickup element 1 is gradually shortened.

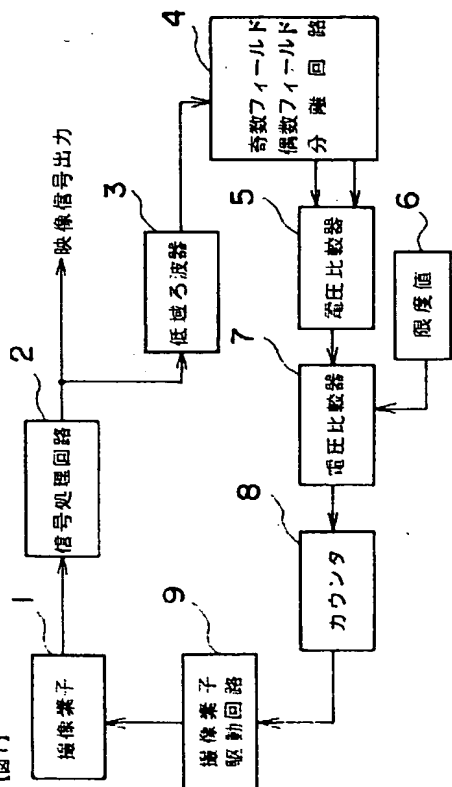


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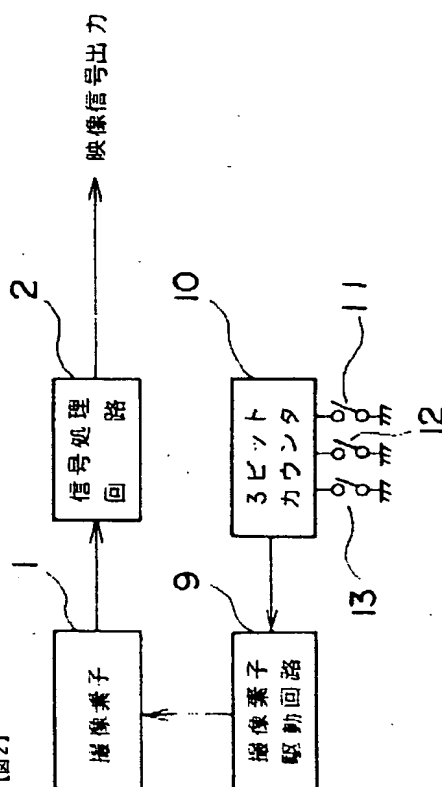
- [Date of request for examination]
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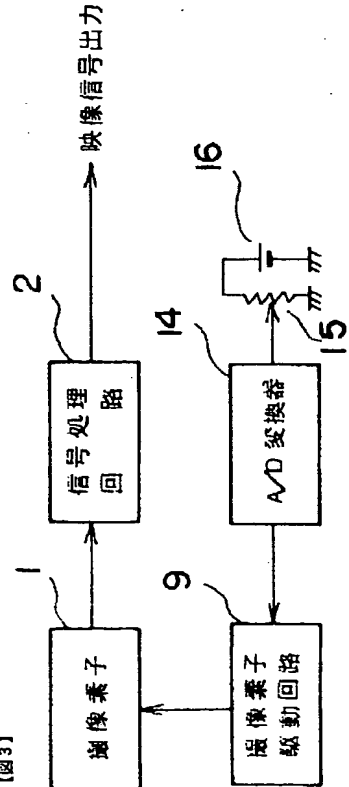
26 フレームメモリ
【図1】



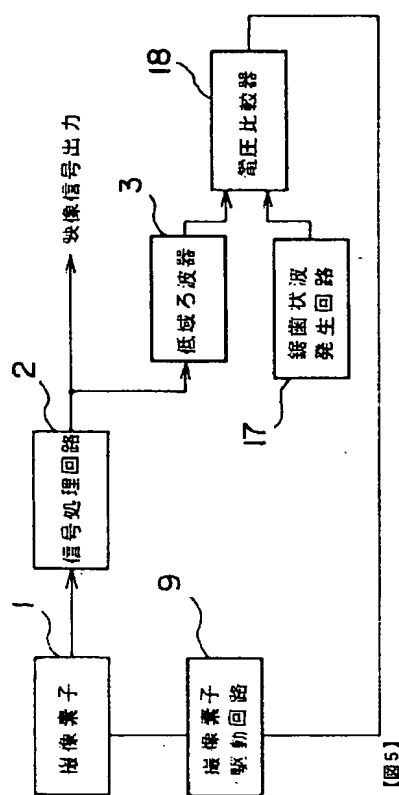
【図2】



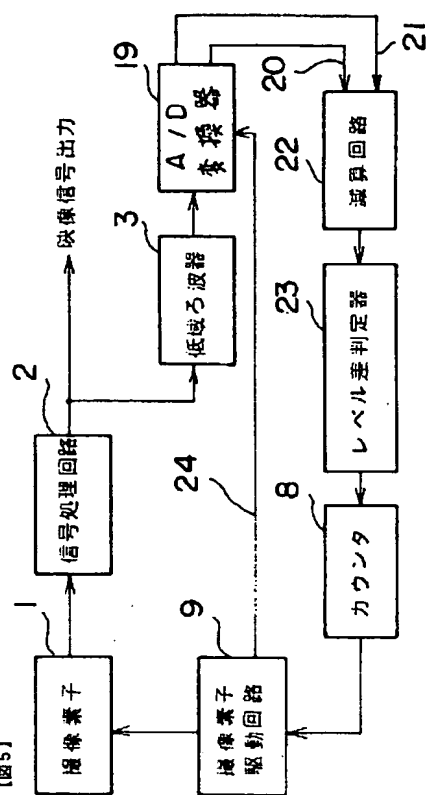
【図3】



【図4】



【図5】



【図6】

